

**SYSTEM AND METHOD FOR USING GEOGRAPHICAL LOCATION
TO DETERMINE WHEN TO EXIT AN EXISTING WIRELESS
COMMUNICATIONS COVERAGE NETWORK**

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ABSTRACT OF THE INVENTION

A system and method are presented for determining when to exit an existing wireless communications coverage network. The method samples the device geographical position, determines a threshold boundary line, measures the position of each sample point with respect to the threshold boundary line, and, beginning at a predetermined initial value, maintains a running sum in response to measuring position. The method uses the threshold boundary line to partition a coverage area for the existing coverage network into first and second zones. Then, the method decrements the running sum for sample point positions in the first zone and increments the running sum sample point positions in the second zone. The method exits the existing coverage network when the running sum is greater than or equal to a predetermined terminal value and then resets the running sum to the predetermined initial value.

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